

What is claimed is:

1. A communicating system for establishing a wireless communication between a computer and a wireless peripheral device, comprising:

a wireless peripheral device;

a computer;

a wireless network coupling the peripheral device and the computer;

wherein the computer has a wireless network card within the computer, the wireless network card having a detection module which sends a data packet with identification via the wireless network to search for the wireless peripheral device;

wherein the peripheral device sends an acceptable feedback signal based on the identification to the detection module so as to establish a wireless communication; and

wherein the wireless communication is based on a standard wireless network communication protocol.

2. The assembly as claimed in claim 1, wherein the wireless peripheral device is selected from the group consisting of a wireless input device, a wireless output device and a wireless input and output device.

3. The assembly as claimed in claim 2, wherein the input device is selected from the group consisting of a computer mouse, a keyboard, a trackball, a joystick, and a game controller.

4. The assembly as claimed in claim 2, wherein the output device is selected from the group consisting of a computer mouse, a card reader/writer, a digital camera, and a printer.

5. The assembly as claimed in claim 2, wherein the input and output device is selected from the group consisting of a mouse, a joystick, and a game controller.

6. The assembly as claimed in claim 1, wherein the computer is built into a house appliance, and the peripheral device is a remote controlled device.

7. The assembly as claimed in claim 1, wherein the standard wireless
5 network communication protocol is enacted by the IEEE.

8. The assembly as claimed in claim 1, wherein the wireless communication is based on an ad-hoc mode.

10 9. The assembly as claimed in claim 1, wherein the wireless communication is based on an infrastructure mode.

10. The assembly as claimed in claim 1, wherein the wireless peripheral device comprises at least two wireless peripheral devices, wherein only the desired
15 peripheral device sends an acceptable feedback signal based on the identification to the detection module so as to establish a wireless communication, with the other peripheral devices sending an unacceptable feedback signal.

11. A method for establishing a wireless communication between a
20 computer and a wireless peripheral device, the computer having a wireless network card which has a detection module therein, the method comprising:

sending from the detection module a data packet with identification via a wireless network to the peripheral device, with the identification used to search for the peripheral device;

25 receiving an acceptable feedback signal from the peripheral device based on the identification so as to establish the wireless communication; and

wherein the wireless communication is based on a standard wireless network communication protocol.

12. A method for establishing a wireless communication between a computer and a plurality of wireless peripheral devices, comprising the steps:

sending a data packet with identification from the computer to one of the peripheral devices;

5 receiving at the computer an acceptable feedback signal from a desired peripheral device that is used to establish the wireless communication, while receiving at the computer an unacceptable feedback signal from the other peripheral devices; and

10 wherein the wireless communication is based on a standard wireless network communication protocol.